



022504

Miller 2-1

22390 U.S. PTO

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022504

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

PATENT APPLICATION

INVENTOR(S) Curtis James Miller
 Nelson Troncoso

CASE 2-1

TITLE Methods and Apparatus for Integrated Circuit Ball Bonding
 with Substantially Perpendicular Wire Bond Profiles

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: February 25, 2004

Signature: Lisa P. Chulpis

COMMISSIONER FOR PATENTS
P.O. BOX 1450
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SIR:

NEW APPLICATION UNDER 37 CFR §1.53(b)

Enclosed are the following papers relating to the above-named application for patent:

Specification, Claims and Abstract - 16 pages
7 Sheets of informal drawing(s)
Assignment with Cover Sheet
Declaration and Power of Attorney

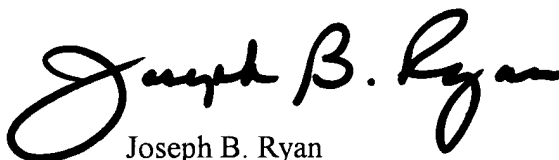
CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	23-20 =	3	x \$18 =	\$54
Independent Claims	4-3 =	1	x \$86 =	\$86
Multiple Dependent Claim(s), if applicable			\$290 =	\$0
Basic Fee				\$770
TOTAL FEE:				\$910

Please file the application and charge **Ryan, Mason & Lewis, LLP Deposit Account No. 50-0762** the amount of \$950 (which includes \$910 to cover the filing fee and \$40 to cover the Assignment recordation fee). Duplicate copies of this letter are enclosed. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error.

The Assistant Commissioner for Patents is hereby authorized to treat any concurrent or future reply, requiring a petition for extension of time under 37 CFR §1.136 for its timely submission, as incorporating a petition for extension of time for the appropriate length of time if not submitted with the reply.

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 90 Forest Avenue, Locust Valley, New York 11560.** Telephone calls should be made to the undersigned attorney at (516) 759-7517.

Respectfully,

A handwritten signature in black ink that reads "Joseph B. Ryan". The signature is fluid and cursive, with the first name "Joseph" being more prominent and the last name "Ryan" following in a similar style.

Date: February 25, 2004

Joseph B. Ryan
Reg. No. 37,922
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